

Notice of Allowability

Application No.

09/778,919

Examiner

Amr Awad

Applicant(s)

HASHIMOTO, YASUNOBU

Art Unit

2675

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on January 26, 2005.
2. ☒ The allowed claim(s) is/are 1-15.
3. ☒ The drawings filed on 28 February 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 02/09/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's representative Darleen J. Stockley (Reg. No. 34,257) on August 4, 2005.

The application has been amended as follows:

Please amend claims 14 and 15 as follows:

14. (Currently amended) A display apparatus comprising:

a display device having a display surface including plural cell columns, each of which is a set of cells having a same light emission color, the display device having cells arranged in a structure in which cell positions in a column direction are shifted from each other between neighboring cell columns; and

a driving circuit for performing an interlaced display by changing a combination of cells of a display line having a display line pitch that is smaller than a cell pitch in a column, wherein the display line is perpendicular to the column direction in every field between the neighboring cell columns of the same light emission color in every field, and wherein a number of display lines utilized is twice a number of scanning electrodes utilized, the display line pitch being a measurement in a vertical direction from a center of one display line to a center of an adjoining display line and the cell pitch being a

Art Unit: 2675

measurement in a vertical direction from a center of one cell to a center of an adjoining cell.

15. (Currently amended) A display apparatus comprising:

a display device having a display surface including plural cell columns, each of which is a set of cells having a same light emission color, the display device having cells arranged in a structure in which the cells are arranged at a constant cell pitch in each cell column, and cell positions in a column direction are shifted from each other between neighboring cell columns by half of the constant cell pitch; and

a driving circuit for performing an interlaced display by changing a combination of cells of a display line having a display line pitch that is smaller than the cell pitch in a column, wherein the display line is perpendicular to the column direction in every field between the neighboring cell columns of the same light emission color in every field, and wherein a number of display lines utilized is twice a number of scanning electrodes utilized, the display line pitch being a measurement in a vertical direction from a center of one display line to a center of an adjoining display line and the cell pitch being a measurement in a vertical direction from a center of one cell to a center of an adjoining cell.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Art Unit: 2675

None of the prior art either singularly or in combination teach or fairly suggest, performing an interlaced display by changing the combination of cells of a display line that is perpendicular to the column direction in every field between the neighboring cell columns of the same light emission color, as recited in independent claims 1, 3, 14 and 15 of the present claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amr Awad whose telephone number is (571) 272-7764. The examiner can normally be reached on Monday through Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz can be reached on (571)272-3638. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

Art Unit: 2675

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AMR A. AWAD
PRIMARY EXAMINER

A handwritten signature in black ink, appearing to read "Amr A. Awad".

A. A.

Amr Awad
Primary Examiner
Art Unit 2675